Supplementary

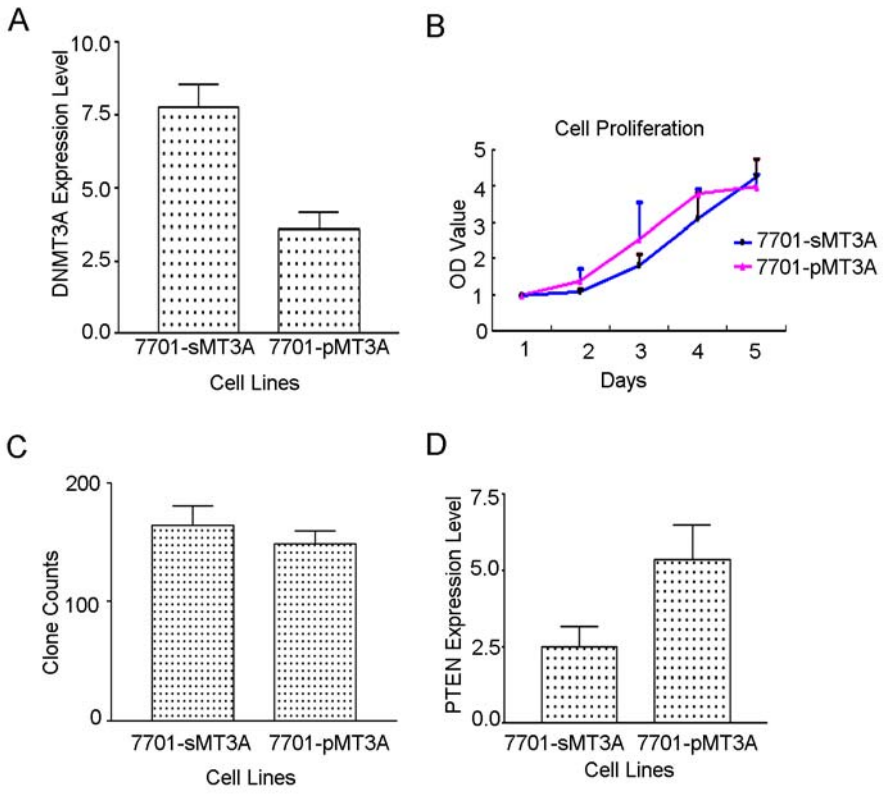
Materials and Methods

QSG-7701 cells were transfected with recombinant plasmids pMT3A and sMT3A using Lipofectamine^{TM} 2000 according to the manufacturer's protocols (Invitrogen Corp., Carlsbad, CA). QSG-7701 cells were transfected with pMT3A and labeled as 7701–pMT3A cell lines; these were transfected with sMT3A and were designated as 7701–sMT3A cell lines or control.

Cell proliferation, Colony formation assay and PTEN expression analysis were performed followed as methods description in the manuscript.

Results

DNMT3A siRNA construct suppress DNMT3A specifically in QSG-7701 cells (Suppl Fig.1A). Depletion of DNMT3A inhibits cell proliferation (Suppl Fig.1B) and colony formation in QSG-7701 cells (Suppl Fig.1C), although the inhibition on proliferation ability is delayed. In DNMT3A-depletion QSG-7701 cells, restored expression of PTEN was examined by qPCR (Suppl Fig.1D).



Zhao ZJ et al. Suppl. Figure 1

(A) DNMT3A siRNA construct suppress DNMT3A specifically in QSG-7701 cells. *(B)* Depletion of DNMT3A inhibits cell proliferation in QSG-7701 cells. *(C)* Depletion of DNMT3A inhibits colony formation in QSG-7701 cells. *(D)* Restored expression of PTEN was examined by qPCR in DNMT3A-depletion QSG-7701 cells,.